PTC/SB/08a (08-03)

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| | | | | Application Number | 10/815,699 |
| 1 | INFORMATION DISC | CLOS | SURE | Filing Date | April 2, 2004 |
| | STATEMENT BY AF | PLIC | CANT | First Named Inventor | Hisaya SHIMIZU . |
| | | | | Art Unit | 3618 |
| | (use as many sheets as n | 1000558 | (v) | Examiner Name | To Be Assigned |
| Sheet | 1 | of | 1 | Attorney Docket Number | 056208.53953US |

| U.S. PATENT DOCUMENTS | | | | | | | | | |
|-----------------------|------|----------------------------------|--------|------------------|-----------------------------|---|--|--|--|
| Examiner | Cite | Document Nur | nber | Publication Date | Name of Patentee or | Pages, Columns, Lines, Where | | | |
| Initials' | No.¹ | Number-Kind Code ² (# | known) | MM-DD-YYYY | Applicant of Cited Document | Relevant Passages or Relevant Figures Appear | | | |
| JW | AA | US- 6,484,832 | B1 | 11/26/2002 | Morisawa et. al. | | | | |
| JW | AB | US- 6,334,498 | B1 | 01/01/2002 | Morisawa et. al. | | | | |
| JW | AC | US- 5,927,417 | A | 07/27/1999 | Brunner et. al. | | | | |
| JW | AD | US- 6,332,504 | B1 | 12/25/2001 | Adds | | | | |
| | AE | US- 6 295 487 | B1 | 09/25/2001 | Ono et. al. | | | | |

| | | FOREIG | N PATENT DO | CUMENTS | | |
|-----------------------|--------------|--|--------------------------------|--|---|--|
| Examiner Initials' | Cite No.1 | Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| JW | AF | EP 1 018 461 A1 | 07/12/2000 | Tokyo R & D Co., Ltd. | Corresponds to AE | |
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| | NON PATENT LITERATURE DOCUMENTS | | | | | | | | | |
|--------------------|---------------------------------|---|----|--|--|--|--|--|--|--|
| Examiner Initiats* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T² | | | | | | | |
| JW | AG | European Search Report dated March 17, 2006 (Three (3) pages) | | | | | | | | |

| Examiner | | Date | |
|-----------|----------------|------------|------------|
| Signature | /John Walters/ | Considered | 06/05/2006 |

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| 5098 | INFORMATION DISCL | .osu | IRE | Filing Date | April 2, 2004 | |
| | STATEMENT BY APP | LICA | NT | First Named Inventor | Hisaya SHIMIZU | |
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| Sheet | 1 | of | 4 | Attorney Docket Number | 056208 53953US | |

| | | - | U.S. PATENT D | OCUMENTS | |
|----------------------|--------------------------|--|-----------------------------|---|---|
| Examiner Initials | Cite No. ¹ | Document Number Number-Kind Code ² (<i>if known</i>) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
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| | | Foreign Patent Document | | | Pages, Columns, Lines, Where Relevant | Τ0 |
| Examiner Initials' | Cite No.1 | Country Code ³ –Number ⁴ –Kind Code ⁵ (if known) | Publication Date | Name of Patentee or Applicant of Cited Document | Passages or Relevant Figures Appear | · |
| JW | AA | JP 2002-316547 | 10-29-2002 | Nissan Motor Co., Ltd. | | AB |
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| Examiner Signature | /John Walters/ | Date Considered | 06/05/2006 |

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| FORM PTO-1449 | U.S. Department of Commerce Patent & Trademark Office | Attorney Docket No. 056208.53953US | Serial No. To Be Assigned | |
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| | | Applicant: Hisaya SHIMUZU, et al. | | |
| | ON DISCLOSURE STATEMENT eets if necessary) | Filing Date April 2, 2004 | Group | |

| ixaminer Initial | | Document Number | Date | | Name | | Sub- Class | Filing Date (if appropriate) |
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| | γ | | FOR | EIGN PAT | ENT DOCUMENTS | | ···• | |
| Examiner Initial | | Document Number | Date | | Name | Class | Sub- Class | TRANSLATION Yes No |
| JW | AK | 05-219607 | 08/1993 | Fuji El | ectric Co. Ltd. | | | Abstract |
| JW | AL | 2000-224709 | 08/2000 | Nissan | Diesel Motor Co. Ltd. | | | Abstract |
| JW | AM | 2001-063392 | 03/2001 | Toyota | Motor Corp. | | | Abstract |
| JW | AN | 2001-253256 | 09/2001 | Hitach | ľ | | | Abstract |
| | AO | | | | | | | |
| | AP | | | | | | | |
| | | OTHER D | OCUMENTS | (Including | Author, Title, Date, Pertir | ent Pages, | etc.) | |
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TRADE Compl te if Kn wn Substitute for form 1449A/PTO Application Number 10/815,699 INFORMATION DISCLOSURE April 2, 2004 Filing Date Hisaya SHIMIZU STATEMENT BY APPLICANT First Named Inventor Art Unit 3618 **Examiner Name** Unassigned (use as many sheets as necessary) 056208.53953US Attorney Docket Number Sheet 1 of

| U.S. PATENT DOCUMENTS | | | | | | | | | |
|-----------------------|--------------|--|--------------------------------|--|---|--|--|--|--|
| Examiner Initials' | Cite No.1 | Document Number Number-Kind Code ³ (# known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|--------------|--|-----------------------------|--|---|----|--|--|
| Examiner Initials' | Cite No.1 | Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁶ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T⁰ | | |
| WL | AA | JP 2002-218601 | 08/02/2002 | Akebono Brake Res. & Dev. Center, LTD. | | AB | | |
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| Examiner | / John Woltons/ | Date | 06/05/2006 |
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| Signature | /John Walters/ | Considered | 00/03/2000 |

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